

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

MASSARA, A. et al.

Atty. Ref.: 2490-17

Serial No. 10/070,619

Group: 2881 /

Filed: March 8, 2002

Examiner: Unassigned

For: SEMICONDUCTOR LASER DIODE WITH A DISTRIBUTED

REFLECTOR

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August 19, 2003

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Attached is a completed Form PTO-1449 listing references in connection with this application. Also enclosed is a copy of each of those references, along with the Search Report which issued on the corresponding British Application No. 9921445.4.

The Examiner is requested to initial the attached PTO-1449, and to return a copy of the initialed document to the undersigned as an indication that the listed references have been considered and made of record.

Respectfully submitted,

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MASSARA, A. et al.

FILING DATE

March 8, 2002

APPLICANT

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2881

U.S. PATENT DOCUMENTS FILING DATE *EXAMINER : **CLASS** DOCUMENT NUMBER NAME IF APPROPRIAT INITIAL DATE 4,873,691 10/1989 Uomi et al 4,856,017 08/1989 Ungar 5,982,804 11/1999 Chen et al **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT COUNTRY **CLASS SUBCLASS** YES DATE 01/1995 **GB** 2 280 308 A 0 887 668 A1 12/1998 EP 0 402 907 A2 12/1990 EP 0 276 071 A2 07/1988 EP EP 0 263 690 A2 04/1988 0 125 608 A2 11/1984 EP OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Massara, A.B. et al; "Mode-hop-free, single-mode operation of 2D-lattice distributed reflector laser under 2.5Gb/s modulation"; Electronics Letters, Vol. 36, No. 2, pp. 141-2; 2000. Miller, L.M et al.; "A Distributed Feedback Ridge Waveguide Quantum Well Heterostructure Laser"; IEEE Photonics Technology Letters; Vol. 3, No. 1, pp. 6-8; 1991. Han, H. et al; "Two-Dimensional Rectangular Lattice Distributed Feedback Lasers: A Coupled-Mode Analysis of TE Guided Modes"; IEEE Journal of Quantum Electronics; No. 11; pp. 1947-1954; 1995. Massara, A.B. et al; "10Gb/s Single-Mode Operation of 2D-Lattice Distributed Reflector Laser"; ECOC 2000; Paper 3-3-5; Munich, 2000. Masahiro, I. et al; "Semiconductor Lasers with One-and Two-Dimensional Air/Semiconductor Gratings Embedded by Wafer Fusion Technique"; IEEE Journal of Selected Topics in Quant.; pp. 650-663; XP-000930544. Bullock, D.L. et al; "Photonic band structure investigation of two-dimensional Bragg reflector mirrors for semiconductor laser mode control"; J. Optical Society of America Am. B.; Vol. 10, No. 2; pp. 399-403; XP 000606814. Watanabe, Y. et al; "Laterally Coupled Strained MQW Ridge Waveguide Distributed-Feedback Laser Diode Fabricated by Wet-Dry Hybrid Etching Process"; IEEE Photonics Technology Letters, Vol. 10, No. 12, 1998; pp. 688-690; XP-000802155. * Toshihiko, M.; "Semiconductor Laser Element"; Patent Abstracts of Japan; 02143581; 01/06/90. Kiyobumi, C.; "Non-Regrowth Distribution Feedback Ridge Type Semiconductor Laser and its Manufacture"; Patent Abstracts of Japan; 10098235; 04/14/98.

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Considered